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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known		
		Application Number	10/517,750	
		Filing Date	December 13, 2004	
		First Named Inventor	Wolfgang Clemens	
		Group Art Unit	2818	
Examiner Name	David C. Nelms Hoang-Quan Ho			
Attorney Docket Number	411000-122			
Sheet	1	2		

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HQH		US-2002/0018911	02-00-2002	Bernius et al.	For all references see attached IDS Letter
		US-4,926,052	05-15-1990	Hatayama	
		US-5,892,244	04-08-1999	Tanaka et al.	
HQH		US-6,344,662	02-05-2002	Dimitrakopoulos et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁶ (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
HQH		DE 101 17 663 A1	10-17-2002	Samsung SDI Co.		
		EP 0 615 258 B1	09-23-1998	Koninklijke Philips	See Attached IDS Letter	X
		EP 0 785 578 A2	07-23-1997	AT & T Corp.		X
		EP 0 785 578 A3	07-23-1997	AT & T Corp.		X
		EP 1 083 775 A1	03-14-2001	Seiko Epson Corp.		X
		JP 09083040 (abstract)	03-28-1997	Sharp Corp.		X
		JP 09320760 (abstract)	12-12-1997	Matsushita Electric Ind. Co		
		JP 10026934 (abstract)	01-27-1998	Toshiba Chem. Corp.		X
		JP 2969184 B	11-02-1999	Casio Computer co. Ltd.		
		JP 2969184 B (Translation)	11-02-1999	Casio Computer co. Ltd.		X
		WO 96/19792	08-27-1996	The Trustees of Princeton University		X
		WO 99/53371	10-21-1999	E Ink Corp.		X
		WO 02/05360 (abstract)	01-17-2002	Siemens AK		X
HQH		WO 02/05360	01-17-2002	Siemens AK		

NON PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HQH		DAI, L. et al., "Conjugation of Polydienes by Oxidants Other Than Iodine", Elsevier Science S.A., Synthetic Metals 86 (1997) 1893-1894.	X



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

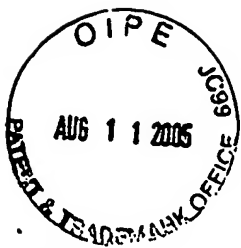
Application Number	10/517,750
Filing Date	December 13, 2004
First Named Inventor	Wolfgang Clemens
Group Art Unit	2818
Examiner Name	David G. Nelms Hoang-Quan Ho
Attorney Docket Number	411000-122

Sheet 2 of 2

		DAI, L. et al., "I ₂ -Doping" of 1,4-Polydienes", Elsevier Science S.A., Synthetic Metals 69 (1995), pp 563-566.	X
HQH		KAWASE, T. et al., "Inkjet Printed Via-Hole Interconnections and Resistors for All-Polymer Transistor Circuits", Advanced Materials 2001, 13, No. 21, November 2, 2001, pp 1601 - 1605.	X
HQH		QIAO, X. et al., "The FeCl ₃ -doped poly3-alkithiophenes) in solid state", Elsevier Science, Synthetic Metals 122 (2001) pp 449-454.	X
Examiner Signature		/Hoang Quan Ho/	Date Considered 07/31/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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		Filing Date	June 10, 2005		
		First Named Inventor	Wolfgang Clemens		
		Group Art Unit	2844 2818		
		Examiner Name	Unassigned Hoang-Quan Ho		
Sheet	1		1	Attorney Docket Number	411000-122

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Document Number ----- Number-Kid Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HQH	128	10/533,758	N/A	Wolfgang Clemens et al	
	129	10/535,448	N/A	Wolfgang Clemens et al	
	131	10/535,448	N/A	W. Clemens et al.	
	132	10/535,449	N/A	Walter Fix et al.	
	133	US-10/344,926	02/12/2004	Adolf Bernds et al.	
	136	US-10/541,815	N/A	Axel Gerlt et al.	
	137	US-10/541,956	N/A	Wolfgang Clemens et al.	
	138	US10/541,957	N/A	Walter Fix et al.	
	138	US-10/543,561	N/A	Wolfgang Clemens et al.	
	140	US-10/542,678	N/A	Adolf Bernds et al.	
HQH	141	US-10/542,679	N/A	Adolf Bernds et al.	
/Hoang Quan Ho/					
Examiner Signature				Date Considered	07/31/2006

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				Application Number	10/517,750
				Filing Date	June 10, 2005
				First Named Inventor	Wolfgang Clemens et al.
				Group Art Unit	2011 2818
				Examiner Name	Unassigned Hoang-Quan Ho
Sheet	1	Of	5	Attorney Docket Number	411000.122

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HQH		US-2002/0053320	05-09-2002	Duthaler	
		US-2002/0056839	05-16-2002	Joo et al.	
		US-2002/0068392	06-06-2002	Lee et al.	
		US-2002/0130042	09-19-2002	Stiene	
		US-2002/0170897	11-21-2002	Hall	
		US-2002/0195644	12-26-2002	Dodabalapur et al.	
		US-2003/0059987	03-27-2003	Siringhaus Henning et al.	
		US-2003/0112576	06-19-2003	Brewer et al.	
		US-2004/0002176	0101-2004	Xu	
		US-3,512,052	12-12-1970	MacIver et al.	
		US-3,955,098	05-04-1976	Kawamoto	
		US-4,302,648	11-24-1981	Sado et al.	
		US-4,442,019	04-19-1984	Marks	
		US-4,865,197	09-12-1989	Craig	
		US-5,173,835	12-22-1992	Comett et al.	
		US-5,259,926	11-09-1993	Kuwabara et al.	
		US-5,395,504	03-07-1995	Hoffman et al.	
		US-5,502,396	03/26/1996	Desarzens	
		US-5,569,879	10-29-1996	Gloton et al.	
		US-5,580,794	12-03-1996	Allen	
		US-5,629,530	05-13-1997	Brown et al.	
		US-5,630,986	05-20-1997	Miller	
		US-5,729,428	03-17-1998	Sakata et al.	
		US-5,869,972	02-09-1999	Birch et al.	
		US-5,946,551	08-31-1999	Dimitrakopoulos	
HQH		US-5,994,773	11-30-1999	Hirakawa	



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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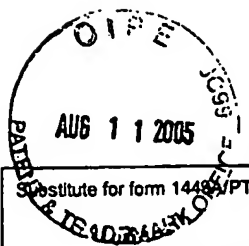
				Application Number	10/517,750
				Filing Date	June 10, 2005
				First Named Inventor	Wolfgang Clemens
				Group Art Unit	2814 2818
				Examiner Name	Unassigned Hoang-Quan Ho
Sheet	2	Of	5	Attorney Docket Number	411000.122

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HQH		US-5,997,817	12-07-1999	Crismore et al.	
		US-6,036,919	03-14-2000	Thym et al.	
		US-6,045,977	04-04-2000	Chandross et al.	
		US-6,060,338	05-09-2000	Tanaka et al.	
		US-6,300,141	10-09-2001	Segal et al.	
		US-6,852,583	02-08-2005	Bernds et al.	
HQH		US-6,903,958	06-07-2005	Bernds et al.	

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HQH		DE 100 45 192	04-04-2002	Siemens AG		
		DE 100 47 171	04-18-2002	Siemens AG		
		DE 100 58 559	05-29-2002	Interactive Biotech.		
		DE 101 20 687	10-31-2002	Siemens AG		
		DE 102 19 905	12-04-2003	Osram Opto Semicond.		
		DE 198 52 312 (title page only)	05-20-1999	Nintendo Co.		
		DE 199 18 193 (title page only)	11-25-1999	Cambridge Display		
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		DE 33 38 597	05-02-1985	GAO Gesellschaft		
		DE 69519872 (title page only)	01-03-2001	News Datacom Ltd.		
		EP 0 128 529	12-19-1984	BASF		
		EP 0 268 370 A2	05-25-1988	Canon Kabushiki Kaisha		X
		EP 0 268 370 A3	05-25-1988	Canon Kabushiki Kaisha		X
		EP 0 350 179	01-10-1990	W & T Avery Ltd.		X
		EP 0 460 242	12-11-1991	Nippon Petrochemicals		
		EP 0 981 165	02-23-2000	Lucent Technologies		
		EP 1 052 594	11-15-2000	Sokymat S.A.		
		EP 1 102 335 A2	05-23-2001	Lucent Technologies		X
		EP 1 104 035 A2	05-30-2001	Lucent Technologies		X
HQH		EP 1 134 694	09-19-2001	Infineon Technologies		



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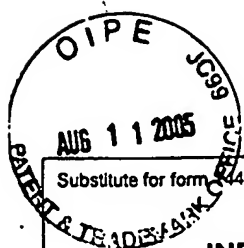
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number		10/517,750
				Filing Date		June 10, 2005
				First Named Inventor		Wolfgang Clemens
				Group Art Unit		2844 2818
				Examiner Name		Unassigned Hoang-Quan Ho
Sheet	3	Of	5	Attorney Docket Number		411000.122

HQH						
		EP 1 318 084	06-11-2003	Nippon Sanso Corp.		
		GB 2 058 462	04-08-1981	Shin-Etsu Polymer Co.		X
		GB 723,598	02-09-1955	N V Phillips Gloeilampenfabrieken		X
		JP 05347422 (abstract)	12-27-1993	Fujitsu Ltd.		X
		JP 2001085272 (abstract)	03-30-2001	Matsushita Electric Ind.		X
		JP 54069392 (abstract)	06-04-1979	NEC Corp.		X
		JP 61167854	07-29-1986	Murata Mfg. Co. Ltd.		X
		WO 93/01641	08-19-1993	Kopin Corp.		
		WO 95/06240	03-02-1995	Metrika Laboratories		X
		WO 97/12349	04-03-1997	De Rivaz et al.		X
		WO 98/18156	04-30-1998	Steag Microtech		
		WO 98/18156 (abstract)	04-30-1998	Steag Microtech		X
		WO 99/07189	02-11-1999	Cambridge		
		WO 99/40631	08-12-1999	Opticom USA		X
		WO 99/54936	10-28-1999	Cambridge Display		X
		WO 99/54936 (Corrected Version)	10-28-1999	Cambridge Display		
		WO 99/66540	12-23-1999	Opticom ASA		X
		WO 00/33063	06-08-2000	Moorlodge Biotech		X
		WO 01/03126	01-11-2001	Regents of U. of CA		X
		WO 01/06442	01-25-2001	Yip		X
		WO 01/17029	03-08-2001	E Ink Corp.		X
		WO 01/17041	03-08-2001	E Ink Corp.		X
		WO 01/27998	04-19-2001	Koninklijke Philips		X
		WO 01/46987	06-28-2001	Plastic Logic Ltd.		X
		WO 01/47044 A2	06-28-2001	Plastic Logic Ltd.		X
		WO 01/47044 A3	06-28-2001	Plastic Logic Ltd.		X
		WO 01/73109 A2	10-24-2001	Ivemess Medical		X
		WO 01/73109 A3	10-24-2001	Ivemess Medical		X
		WO 02/071139	09-12-2002	Acreo AB		X
		WO 02/071505	09-12-2002	Acreo AB		X
		WO 02/076924	10-03-2002	Nissinbo Industries		
		WO 02/091495	11-14-2002	Coatue Corp.		X
		WO 02/099907	12-12-2002	Siemens		
		WO 02/099907 (abstract)	12-12-2002	Siemens		X
HQH		WO 02/099908	12-12-2002	Siemens AK		



Substitute for form 449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

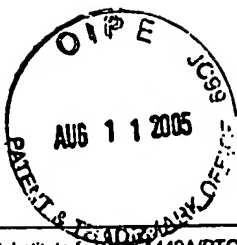
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Complete if Known

Application Number	10/517,750
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First Named Inventor	Wolfgang Clemens
Group Art Unit	2844 2818
Examiner Name	Unassigned Hoang-Quan Ho
Attorney Docket Number	411000.122

Sheet	4	Of	5
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HQH		WO 02/099908	12-12-2002	Siemens AK		
		WO 02/15264	02-21-2002	Siemens AK		
		WO 02/29912	04-11-2002	Cambridge University		X
		WO 02/43071	05-30-2002	Thin Film Electronics		X
		WO 03/046922	06-05-2003	Infineon Technologies		
		WO 03/067680	08-14-2003	Canon Kabushiki Kaisha		X
		WO 03/069552	08-21-2003	Rafsec Oy		X
		WO 03/081871	10-02-2003	Siemens AK		
		WO 03/095175	11-20-2003	ZBD Displays Ltd.		
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		WO 2004/042837 (title page only) abstract	05-21-2004	Siemens AK		X
		WO 2004/047144 A3	06-03-2004	Siemens		
		WO 2004/047144 A3 (abstract)	06-03-2004	Siemens		X
		WO 2004/7194 A2	06-03-2004	Siemens		
		WO 2004/7194 A2 (abstract)	06-03-2004	Siemens		X
		WO 2004/7194 A3	06-03-2004	Siemens		
		WO 2004/7194 A3 (abstract)	06-03-2004	Siemens		X
HQH		WO 2004/083859	09-30-2004	Platform Diagnostics		



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		Group Art Unit	2841 2818		
Examiner Name	Unassigned- Hoang-Quan Ho				
Sheet	5	Of	5	Attorney Docket Number	411000.122
NON PATENT LITERATURE DOCUMENTS					


Examiner Initial*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HQH		BRABEC, C.J. et al, "Photoinduced FT-IR spectroscopy and CW-photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix", Solar Energy Materials and Solar Cells, 2000 Elsevier Science B.V., pages 19-33.	X
		BRABEC, C.J. et al., "Photovoltaic properties of a conjugated polymer/methanofullerene composites embedded in a polystyrene matrix", Journal of Applied Physics, Vol 85, No. 9, 1999, pages 6866 – 6872.	X
		GOSAIN, D.P., "Excimer laser crystallized poly-Si TFT's on plastic substrates", Second International Symposium on Laser Precision Microfabrication, May 16-18, 2001, Singapore, Vol. 4426, pages 394 – 400.	
		HARSANYI G. et al., "Polytronics for biotronics: unique possibilities of polymers in biosensors and BioMEMS", IEEE Polytronic 2002 Conference, June 23, 2002, pages 211-215	
		KOEZUKA, H. et al., "Macromolecular Electronic Device", Mol. Cryst. Liq. Cryst. 1994, Vol. 2555, pp. 221-230	X
		LU, Wen et al., "Use of Ionic Liquids for π -Conjugated Polymer Electrochemical Devices", Science, Vol 297, 2002, pages 983 – 987/	X
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		TAKASHIMA, W. et al., "Electroplasticity Memory Devices Using Conducting Polymers and Solid Polymer Electrolytes", Polymer International, Melbourne, 1992, pages 249 – 253.	
		VELU, G. et al. "Low Driving Voltages and Memory Effect in Organic Thin-Film Transistors With A Ferroelectric Gate Insulator", Applied Physics Letters, American Institute of Physics, New York, Vol 79, No. 5, 2001, pages 659 – 661.	
		WANG, Hsing et al., "Conducting Polymer Blends: Polythiophene and Polypyrrole Blends with Polystyrene and Poly(bisphenol A carbonate)", Macromolecules, 1990, Vol 23, pages 1053 – 1059.	
HQH		WANG, Yading et al., "Electrically Conductive Semiinterpenetrating Polymer Networks of Poly(3-octylthiophene)", Macromolecules 1992, Vol 25, pages 3284 – 3290.	X

Examiner Signature	/Hoang Quan Ho/	Date Considered	07/31/2006
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		First Named Inventor	Wolfgang Clemens
		Group Art Unit	Not assigned 2818
		Examiner Name	Not assigned HOANG-QUAN HO
Sheet	1	Of	15
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HQA	1	US-6,852,583	10/09/2003	Adolf Bernds et al.	See Disclosure Statement filed herewith
	2	US-10/344,951	N/A	Adolf Bernds et al.	
	3	US-10/362,932	10/02/2003	Adolf Bernds et al.	
	4	US-10/380,113	09/25/2003	Adolf Bernds et al.	
	5	US-10/380,206	N/A	Adolf Bernds et al.	
	6	US-10/381,032	N/A	Adolf Bernds et al.	
	7	US-10/433,959	N/A	Adolf Bernds	
	8	US-10/433,961	N/A	Wolfgang Clemens et al.	
	9	US-10/451,108	N/A	Mark Giles et al.	
	10	US-10/467,636	N/A	Adolf Bernds et al.	
	11	US-10/473,050	N/A	Adolf Bernds et al.	
	12	US-10/479,234	12/30/2004	Adolf Bernds et al.	
	13	US-10/479,238	N/A	Adolf Bernds et al.	
	14	US-10/492,922	N/A	Erwann Buillet et al.	
	15	US-10/492,923	12/23/2004	Wolfgang Clemens et al.	
	16	US-10/498,610	N/A	Walter Fix et al.	
	17	US-10/508,640	N/A	Walter Fix et al.	
	18	US-10/508,737	N/A	Adolf Bernds et al.	
	19	US-10/517,750	N/A	Wolfgang Clemens et al.	
	20	US-10/523,216	N/A	Adolf Bernds et al.	
	21	US-10/523,487	N/A	Wolfgang Clemens et al.	
HQA	22	US-10/524,646	N/A	Walter Fix et al.	
Examiner Signature 			Date Considered		7/31/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/517,750
Filing Date	December 13, 2004
First Named Inventor	Wolfgang Clemens
Group Art Unit	Not assigned- 2818
Examiner Name	Not assigned HOANG-QUAN HO
Attorney Docket Number	411000-122

Sheet 1 Of 3

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kid Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ACU		US 2002/022284	02-21-2002	Heeger et al.	For all cited references, see Form 1449 filed herewith and enclosed Disclosure Statement
		US-2002/0025391	02-28-2002	Angelopoulos	
		US-2003/0175427	09-00-2003	Loo et al.	
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ACU		DE10006257 (title page only)	06027-2002	Siemens		
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		EP 0966182	12-22-1999	LG Electronics		X
		EP 0989614 A2	03-29-2000	Sel Semiconductor		X
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		EP 1224999 (title page only)	07-24-2002	Sumitomo Heavy Ind.		X
		EP 1237207	09-04-2002	Fuji Photo Film Co.		X
		GR 2001P03239 (not available)				X
		GR 2001P20024 (not available)				X
		JP 01169942 (abstract)	07-05-1989	Hitachi Ltd.		X
		JP 08197788 (abstract)	08-08-1995	Hitachi Koki		X
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		WO 0117041	03-08-2001	E Ink Corp.		X
		WO 0147044 A2	06-28-2001	Plastic Logic Limited		X
		WO 0147044 A3	06-28-2001	Plastic Logic Limited		X
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		WO 0205361	01-17-2002	3M Innovative Prop.		X
		WO 02095805 A2	11-28-2002	Plastic Logic Limited		X
		WO 02095805 A3	11-28-2002	Plastic Logic Limited		X
		WO0219443 (abstract)	03-07-2002	Siemens		
		WO0247183 (abstract)	06-13-2002	Siemens		
		WO 04042837	05-21-2004	Siemens		
		WO 9531831 (title page only)	11-23-1995	Philips Electronics		X
		WO 96 02924	02-01-1996	Oryx Techn Corp.		X
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Examiner Signature		Date Considered	7/31/06
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NON PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
12/11		FRAUNHOFER MAGAZIN, "Polytronic: Chips voon der Rolle", Nr. 4, 2001, pp. 8 – 13.	
		deLEEuw, D.M. et al., "Polymeric Integrated Circuits and Light-Emitting Diodes", IEEE 1997, pp. 331 – 337	x
		SCHRODNER, S. et al., "Plastic Electronics Based on Semiconducting Polymers", Session 4: Polymer Electronic Devices II, pp. 91 – 94.	x
		LOWE, J. et al., "Poly(3(2-acetoxyethyl)thiophene): A model polymer for acid-catalyzed lithography", Elsevier Science S.A., 1997, Synthetic Metals 85 pp. 1427 – 1430	x
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<i>WMA</i>		CHEN, X.L. et al., "Morphological and Transistor Studies of Organic Molecular Semiconductors with Anisotropic Electrical Characteristics", American Chemical Society, 2001, Chem. Mater. 2001, 13, 1341—1348.	

Examiner Signature	<i>WMA</i>	Date Considered	7/31/06
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	Of	11	Attorney Docket Number	411000-122
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Complete if Known

Application Number	10/517,750
Filing Date	December 13, 2004
First Named Inventor	Wolfgang Clemens
Group Art Unit	Not Assigned 2818
Examiner Name	Not Assigned HOANG-QUAN HO

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kid Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ACNA	1	US-5,574,291	11/12/1996	Dodabalapur et al.	See IDS filed 9/30/2004 on all references cited
	2	US-5,206,525	04/27/1993	Yamamoto et al.	
	3	US-6,045,977	04/04/2000	Chandross et al.	
	4	US-5,854,139	12/29/1998	Kondo et al.	
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	9	US-6,072,716	06/06/2000	Jacobsen et al.	
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Examiner Initial*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
ACNA	14	EU 0460242	12/11/1991			X
	15	WO 93 16491	08/19/1993			X
	16	WO 99 40631	08/12/1999			X
	17	WO 99 54936	10/28/1999			X
ACNA	18	EP 0981165	02/23/2000			X

Examiner Signature	<i>ACNA</i>	Date Considered	7/31/06
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(Use as many sheets as necessary)

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Application Number	10/517,750
Filing Date	December 13, 2004
First Named Inventor	Wolfgang Clemens
Group Art Unit	Not Assigned 2818
Examiner Name	Not Assigned HOANG-QUAN HO
Attorney Docket Number	411000-122

Sheet 2 11

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
IAQNA	19	US-6,221,553	04/24/2001	Wolk et al.	
	20	US-6,150,668	11/21/2000	Bao et al.	
	21	US-6,362,509	03/26/2002	Hart	
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	24	US-6,498,114	12/24/2002	Amundson et al.	
	25	US-6,603,139	08/05/2003	Tessler et al.	
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IAQNA	32	WO 99 30432	06/17/1999			X
	33	EP 0 108650	05/16/1984			X
	34	EP 0 418504	03/27/1991			X
IAQNA	35	DE 198 51703	05/04/00			

Examiner Signature

Date Considered

7/31/06

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/517750
Filing Date	December 13, 2004
First Named Inventor	Wolfgang Clemens
Group Art Unit	Not assigned 2818
Examiner Name	Not assigned HOANG-QUAN HO
Attorney Docket Number	411000-122


Sheet 3 11

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kid Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AC/A	37	US-6,087,196	07/11/2000	Sturm et al.	
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	47	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
AC/A	48	EP 0 786820	07/30/1997			X
	49	WO 99 39373	08/05/1999			X
	50	WO 02/47183	06/13/2002			X
	51	EP 1 103916 (title page only)	05/30/2001			
	52	EP 0 528662				
AC/A	53	EP 0 442123				

Examiner Signature		Date Considered	7/31/06
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known		
		Application Number	10/517750	
		Filing Date	December 13, 2004	
		First Named Inventor	Wolfgang Clemens	
		Group Art Unit	Not assigned 2818	
		Examiner Name	Not assigned HOANG-QUAN HO	
Sheet	4	11	Attorney Docket Number	411000-122

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		US-			
		US-			
		US-			
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		US-			
		US-			

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WCA	54	EP 0962984	12/08/99			X
	55	WO 02 19443	03/07/02			X
	56	WO 00 79617	12/28/04			X
	57	WO 99 10939	03/04/99			X
	58	DE 100 43204	04/04/2002			
	59	EP 0 511807	11/04/1992			X
	60	EP 0 979715	02/16/2000			
	61	EP 1 048 912	11/02/2000			
	62	DE 4243832	06/30/94			
	63	EP 0716458	06/12/1996			X
	64	WO 99 21233	04/29/1999			X
WCA	65	WO 01 15233	03/01/2001			X
Examiner Signature			Date Considered		7/31/06	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/517,750	
		Filing Date	December 13, 2004	
		First Named Inventor	Wolfgang Clemens	
		Group Art Unit	Not Assigned 2818	
		Examiner Name	Not Assigned HOANG-QUAN HO	
Sheet	5	11	Attorney Docket Number	411000-122

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		US-			
		US-			
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HOA	66	WO 98/40930	09/17/98			X
	67	DE 19933757	01/25/01			
	68	FR 2793089	11/03/2000			
	69	WO 01 47045	08/28/2001			X
	70	WO 94/17556	08/04/1994			X
	71	WO 99/07189	02/11/1999			X
	72	WO 97/18944	05/29/1997			X
	73	EP 0685985	12/06/1995			X
	74	WO 00/36666	06/22/2000			X
	75	DE 100 12204 (title page)	09/20/2001			
	76	DE 198 16 860	11/18/99			
HOA	77	WO 02/065557	08/22/2002			X
Examiner Signature		Date Considered		7/31/06		

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/517,750
Filing Date	December 13, 2004
First Named Inventor	Wolfgang Clemens
Group Art Unit	Not Assigned 2818
Examiner Name	Not Assigned HOANG-QUAN HO
Attorney Docket Number	411000-122

Sheet 6 11

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kid Code ² (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
HOA	79	JP 05259434	10/05/1993			X
	80	WO 99/10929 (title page only)	03/04/1999			X
	81	DE 199 35 527	02/08/2001			
	82	DE 199 37 262	03/01/2001			
	83	WO 01/27998 (title page only)	04/19/2001			X
HOA	84	JP 05152560	06/18/1993			X
	85					
	86					
	87					

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		First Named Inventor	Wolfgang Clemens	
		Group Art Unit	Not Assigned 2818	
		Examiner Name	Not Assigned HOANG-QUAN HO	
Sheet	7	11	Attorney Docket Number	411000-122

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HOA	88	GARNIER F et al.; "Vertical Devices Architecture By Molding Of Organic-Based Thin Film Transistor", Applied Physics Letters, American Institute Of Physics. XP000784120, issn: 0003-6951 abbildung 2	X
	89	COLLET J. et al.; "LOW VOLTAGE, 30 NM CHANNEL LENGTH, ORGANIC TRANSISTORS WITH A SELF-ASSEMBLED MONOLAYER AS GATE INSULATING FILMS", APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, Bd 76, Nr. 14, 3. april 2000 (2000-04-03), Seiten 1941-1943, XP000950589, ISSN:0003-6951, das ganze Dokument	X
	90	HWANG J D et al.; "A Vertical Submicron Sic thin film transistor", Solid State Electronics, Elsevier Science Publishers, Barking, GB, Bd. 38, NR. 2,1. February 1995 (1995-02-01), Seiten 275-278, XP004014040, ISSN:0038-1101, Abbildung 2	X
	91	ROGERS J A et al.; "Low-Voltage 0.1 Mum Organic Transistors and Complementary Inverter Circuits Fabricated with a Low-Cost Form of Near-Field Photolithography", Applied Physics Letters, American Institute of Physics. New York, US, Bd. 75, Nr. 7, 16. August 1999 (1999-08-16), Seiten 1010-1012, XP000934355, ISSN: 003-6951, das ganze Dokument	X
	92	"Short-Channel Field-Effect Transistor", IBM Technical Disclosure Bulletin, IBM Corp., New York, US, Bd. 32, Nr. 3A, 1.August 1989 (1989-08-01), Seiten 77-78, XP000049357, ISSN:0018-8689, das ganze Dokument	X
	93	REDECKER, M. et al., "Mobility enhancement through homogeneous nematic alignment of a liquid-crystalline polyfluorene", 1999 American Institute of Physics, Applied Physics Letters, Vol. 74, number 10, pp. 1400-1402.	X
	94	ROGERS, J. A. et al.; "Printing Process Suitable for Reel-to-Reel Production of High-Performance Organic Transistors and Circuits", Advanced Materials, VCH, Verlagsgesellschaft, Weinheim, DE, Bd. 11, Nr. 9, 5. Juli 1999 (1999-07-05), Seiten 741-745, P000851834, ISSN: 0935-9648, das ganze Dokument	X
	95	MIYAMOTO, Shoichi et al.; "Effect of LDD Structure and Channel Poly-Si Thinning on a Gate-All-Around TFT (GAT) for SRAM's, IEEE Transactions on Electron Devices. Vol. 46, No. 8, August 1999	X
	96	KUMAR, Anish et al.; "Kink-Free Polycrystalline Silicon Double-Gate Elevated-Channel Thin-Film Transistors", IEEE Transactions on Electron Devices, Vol. 45, No. 12, December 1998	X
HOA	97	CHEN, Shiao-Shien et al.; "Deep Submicrometer Double-Gate Fully-Depleted SOI PMOS Devices: A Concise Short-Channel Effect Threshold Voltage Model Using a Quasi-2D Approach", IEEE Transaction on Electron Devices, Vol. 43, No. 9, September 1998	X

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/517,750	
		Filing Date	December 13, 2004	
		First Named Inventor	Wolfgang Clemens	
		Group Art Unit	Not Assigned 2818	
		Examiner Name	Not Assigned HOANG-QUAN HO	
Sheet	8	11	Attorney Docket Number	411000-122

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HAHA	98	ZANGARA L: "Metall Statt Halbleiter, Programmierung Von Embedded ROMS Ueber Die Metallisierungen", Elektronik, Franzis Verlag GMBH, Munchen, DE, Bd. 47, Nr. 16, 4 August 1998 (1998-08-04), Seiten 52-55, XP000847917, ISSN: 0013-5658, Seite 52, rechtes Plate, Zeile 7-Seite 53, linke Spalte, Zeile 14; Abbildungen 1, 2	
	99	HERGEL, H. J.: "Pld-Programmiertechnologien", Elektronik, Franzis Verlag GMBH, Munchen, DE, Bd 41, Nr. 5, 3. Marz 1992 (1992-03-03), Seiten 44-46, XP000293121, ISSN: 0013-5658, Abbildungen 1-3.	
	100	FORREST et al.: "The Dawn of Organic Electronics", IEEE Spectrum, August 2000 (2000-08), Seiten 29-34, XP002189000, IEEE Inc., New York, US ISSN:0018-9235, Seite 33, rechte Spalte, Zeile 58-Seite 34, linke Spalte, Zeile 24; Abbildung 5.	X
	101	PATENT ABSTRACTS OF JAPAN, Vol. 009, No. 274 (E-354), 31 Oktober 1985 (1985-10-31) & JP 60 117769 A (Fujitsu KK), 25 Juni 1985 (1985-06-25) Zusammenfassung	X
	102	ZIE VOOR TITEL BOEK, de 2e PAGINA, XP-002189001, PG 196-228.	X
	103	DRURY et al., "Low-Cost All-Polymer Integrated Circuits", American Institute of Physics, Applied Physics Letters, 1998, Vol. 73, No. 1, pp 108-110, July 6, 1998.	X
	104	KUHLMANN et al., "Terabytes in Plastikfolie", Organische Massenspeicher vor der Serienproduktion	
	105	GARNIER, F. et al, "All-Polymer Field-Effect Transistor Realized by Printing Techniques", Science, American Association for the Advancement of Science, US, vol 265, 16 September 1994, pp 1684-1686.	X
HAHA	106	ASSADI A, et al., "Field-Effect Mobility of Poly (3-Hexylthiophene) Dept. of Physics and Measurement Technology, Received 3 March 1988; accepted for Publication 17 May 1988	X

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AKA	107	BAO, Z. et al., "High-Performance Plastic Transistors Fabricated by Printing Techniques", Chem. Mater Vol. 9, No. 6, 1997, pp 1299-1301.	X
	108	HEBNER, T.R. et al., "Ink-jet printing of doped polymers for organic light emitting devices", American Institute of Physics, Applied Physics Letters, Vol. 72, no. 5, February 2, 1998, pages 519-521.	X
	109	ANGELOPOULOS M et al, "In-Situ Radiation Induced Doping", Mol. Cryst. Liq. Cryst. 1990, vol. 189, pp. 221-225.	X
	110	DAI, L. et al, "Photochemical Generation of Conducting Patterns in Polybutadiene Films", Macromolecules, Vol. 29, No. 1, 1996, pages 282-287, XP 001042019, the whole document	X
	111	ROMAN et al., "POLYMER DIODES WITH HIGH RECTIFICATION", Applied Physics Letters, Vol. 75, No. 21, November 22, 1999	X
	112	PATENT ABSTRACTS OF JAPAN, Vol. 010, No. 137, May 21, 1986 (JP 361001060A)	X
	113	SCHOEBEL, "Frequency Conversion with Organic-On-Inorganic Heterostructured Diodes", Extended Abstracts of the International Conference on Solid State Devices and Materials, September 1, 1997	X
	114	BRAUN D., et al, "Visible light emission from semiconducting polymer diodes", American Institute of Physics, Applied Physics Letters 58, May 6, 1991, pages 1982 - 1984.	X
	115	YU, G. et al., "Dual-function semiconducting polymer devices: Light-emitting and photodetecting diodes", American Institute of Physics, Applied Physics Letter 64, March 21, 1994, pages 1540 -1542.	X
AKA	116	LUCENT TECHNOLOGIES, "Innovation marks significant milestone in the development of electronic paper", Cambridge, MA and Murray Hill, NJ, November 20, 2000. XP-002209726.	X
	117		

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
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		Filing Date	September 21, 2004	
		First Named Inventor	Wolfgang Clemens	
		Group Art Unit	Not Assigned 2818	
		Examiner Name	Not Assigned HOANG-QUAN HO	
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	118	GARNIER et al., "Conjugated Polymers and Oligomers as Active Material For Electronic Devices", Synthetic Metals, Vol. 28, 1989	X
	119	GELINCK, G.H. et al., "High-Performance All-Polymer Integrated Circuits", Applied Physics Letters, v. 77, 2000, pp. 1487-1489.	X
	120	ZHENG, Xiang-Yang et al., "Electrochemical Patterning of the Surface of Insulators with Electrically Conductive Polymers", J. Electrochem. Soc., v. 142, 1995, pp L226-L227.	X
	121	LIDZEY, D. G. et al., "Photoprocessed and Micropatterned Conjugated Polymer LEDs", Synthetic Metals, V. 82, 1996, pp. 141-148	X
	122	KOBEL W. et al., "Generation of Micropatterns in Poly (3-Methyl-Thiophene) Films Using Microlithography: A First Step in the Design of an All-Organic Thin-Film Transistor" Synthetic Metals, V. 22, 1988, pp. 265-271.	X
	123	ROST, Henning et al., "All-Polymer Organic Field Effect Transistors", Proc. Mat. Week, CD, 2001, pp. 1-6	X
	124	MANUELLI, Alessandro et al., "Applicability of Coating Techniques for the Production of Organic Field Effect Transistors", IEEE Polytronic 2002 Conference, 2002, pp. 201-204.	X
	125	ULLMAN, A. et al., "High Performance Organic Field-Effect Transistors and Integrated Inverters", Mat. Res. Soc. Symp. Proc., v. 665, 2001, pp. 265-270.	X
	126	FIX, W. et al., "Fast Polymer Integrated Circuits Based on a Polyfluorene Derivative", ESSDERC 2002, 2002, pp. 527-529.	X
	127	KNOBLOCH, A. et al., "Printed Polymer Transistors", Proc. Polytronic, v. 84, 2001, pp. 84-89	X
	128	FICKER, J. et al., "Dynamic and Lifetime Measurements of Polymer OFETS and Integrated Plastic Circuits," Proc. of SPIE, v. 466, 2001, pp. 95-102	X
	129	CLEMENS, W. et al., "Vom Organischen Transistor Zum Plastik-Chip," Physik Journal, V. 2, 2003, pp. 31-36.	X

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WQA	125	CRONE, B. ET AL., "Large-scale complementary Integrated circuits based on Organic transistors", Nature, Vol. 403, Feb. 3, 2000, PP. 521 -	X
	126	FIX, W., et al., "Fast polymer integrated circuits", American Institute of Physics, Applied Physics Letters, Vol. 81, No. 89, August 2002, pp. 1735-1737.	X
	127	DODABALAPUR, A. et al., "Organic smart pixels", American Institute of Physics, Applied Physics Letters, Vol. 73, No. 2, July 13, 1998, pp. 142 - 144.	X
	128	HALLS, J.J. M., et al., "Efficient photodiodes from interpenetrating polymer networks", Nature, Vol. 376, August 10, 1995, pp. 498 - 500.	X
	129	BROWN, A.R. et al., "Field-effect transistors made from solution-processed organic semiconductors", Elsevier Science, S.A., Synthetic Metals 88 (1997) pp. 37-55	X
	130	BROWN, A.R., "Logic Gates Made from Polymer Transistors and Their Use in Ring Oscillators", Science, Vol. 270, November 10, 1995, pp 972 - 974	X
	131	KLAUK, H. et al., "Pentacene Thin Film Transistors and Inverter Circuits", 1997 International Electron Devices Meeting Technical Digest, pages 539-542, December 1997	X
	132	KLAUK, H. et al., "Fast Organic Thin Film Transistor Circuits", IEEE Electron Device Letters, Vol. 20, no. 6, pages 289-291	X
	133	BAO, Z. et al., "Organic and Polymeric Materials for the Fabrications of Thin Film Field-Effect Transistors", paper presented at the meeting of American Chemical Society, Division of Polymer Chemistry, XX, XX, Bd. 39, Nr. 1, 29 Marz 1998 (1998-03-29), P001032497, ISSN: 0032-3934 das ganze Dokument	X
QQA	134	PATENT ABSTRACTS OF JAPAN, vol 013, no. 444 (E-828), 5 Oktober 1989 (1989-10-05) & JP 01 169942 A (Hitachi Ltd), 5 July 1989	

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